Translation

PATENT COOPERATION TREATY

REC'D 1 9 APR 2006

WIPO From the INTERNATIONAL SEARCHING AUTHORITY To: PCT WANG Qi & **CHENG Dianjun** INTELLECTUAL **PROPERTY** LAW DEOI WRITTEN OPINION OF THE INTERNATIONAL CORPORATION **SEARCHING AUTHORITY** 7/F, Xueyuan International Tower No. 1 Zhichun Road, Haidian District (PCT Rule 43 bis.1) Beijing 100083 China Date of mailing (dy/ngnib/ygpR 2006 (1 3 · 0 4 · 2 0 0 6) FOR FURTHER ACTION Applicant's or agent's file reference DF0517396P see paragraph 2 below Priority date (day/month/year) International application No. International filing date (day/month/year) 31.DEC.2004 (31.12.2004) 31.DEC.2005 (31.12.2005) PCT/CN2005/002419 International Patent Classification (IPC) or both national classification and IPC See supplemental box Applicant HUAWEI TECHNOLOGIES CO., LTD. ET-AL 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No.II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i)with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Certain documents cited ☐ Box No.VI Box No. VII Certain defects in the international application Box No.VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN
The State Intellectual Property Office, the
P.R.China 6 Xitucheng Rd., Jimen Bridge,
Haidian District, Beijing, China 100088
Facsimile No. 86-10-62019451

Date of completion of this opinion

27.MAR.2006 (27.03.2006)

Authorized officer

DAI Le

Telephone No.

(86-10) 62084533

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2005/002419

Вох	x No.	I	Basis of the opinion
1.	With	rega	ard to the language, this opinion has been established on the basis of:
		a tı	international application in the language in which it was filed ranslation of the international application into, which is the language of a translation nished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2.			ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed a, this opinion has been established on the basis of:
	a.		of material a sequence listing table(s) related to the sequence listing
	ъ.	forn	nat of material on paper in electronic form
	c.	time	e of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search
3.		furn	ddition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or ished, the required statements that the information in the subsequent or additional copies is identical to that in the ication as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Ado	litior	nal comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2005/002419

Box No. V Reasoned statement und	der Rule 43bis	s.1(a)(i) with regard to novelty, inventive step or industrial app	olicability;
citations and explanatio 1. Statement:	ns supporting	such statement	
Novelty (N)	Claims	1-10	YES
	Claims		— YES
			_ ```
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)			
moustrial applicatifity (IA)	Claims		YES
	Claims		_ NO
2. Citations and explanations			
The report is based on the follow	wing documer	nts in the search report:	
D1: CN, A, 1189269 D2: CN, A, 1407763			
D3: US, A, 5159595			
	0 is a method	d for protecting data service in metropolitan transmission ne	etwork.
		node network with main and protection rings. The network	
supervision devices for monitoring parallure occurs.	ower on inp	out and output lines and deflecting traffic onto protection	ork has link 1 ring when
rings/links of network virtual circuits	acent nodes in a common automatically	band switching network. The method comprises: establishing a common leaf, establishing working rings/links and n leaf of the other nodes, establishing protecting leaves in a switching between the working and prolecting end of faciness streams in protecting rings/links.	d protecting
D3 discloses a ring transmission multiplexed transmission paths having	on system for copposite tran	r e.g. telephone central offices - has nodes coupled in rinsmission directions and time, space or wavelength multiple	ing via two exed.
Disclosed in the above documer proposals described in the D1 to D3, requirements of the PCT Article 33(2).	, so the claim	close all the features in claims 1-10. There are not the sames 1-10 are novel compared with the prior art, and compared with the prior art are the prior are the prio	ne technical bly with the
Therefore, those skilled in the a combining the D1-D3. So the claims Article 33(3), that is, have the inventiv	1-10 are not	nieve the technology scheme of claims 1-10 from the teac t obvious compared with the prior art, and do comply wi	hing which
Claims 1-10 meet the criteria of applications in the industry.	f PCT Article	e 33(4), because the invention as claimed is found to have	ve practical

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237(Supplemental Box) (April 2005)

International application No. PCT/CN2005/002419

Supplemental Box	
In case the space in any of the preceding boxes is not sufficient.	
Continuation of: International Patent Classification (IPC) or both national classification and IPC H04L 12/437(2006.01)i H04J 3/08 (2006.01)n	